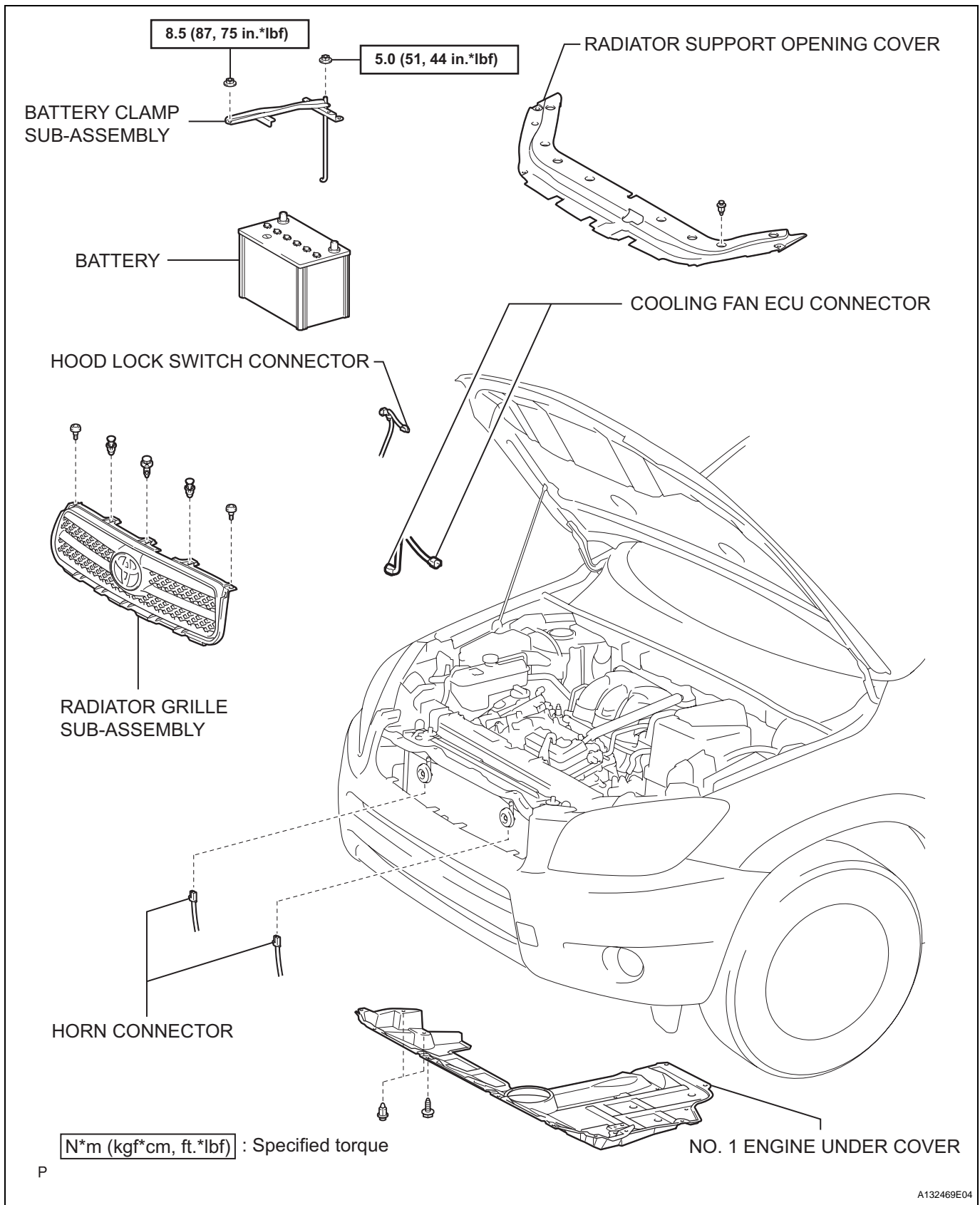
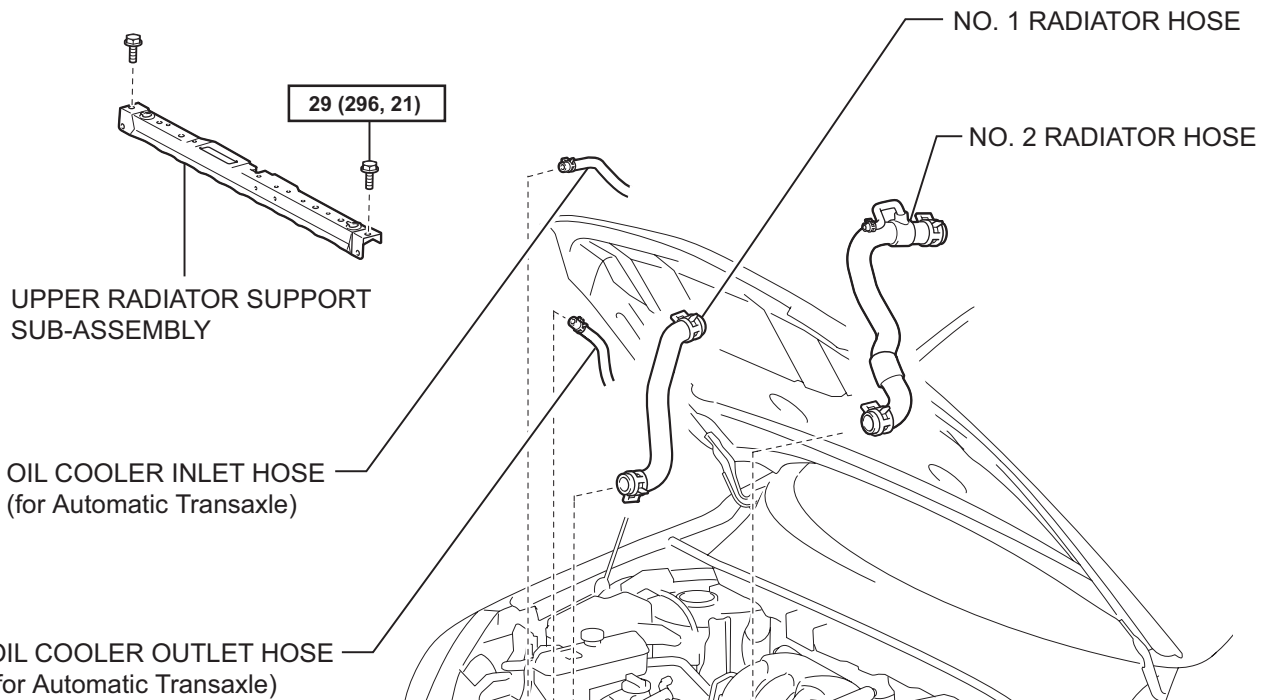
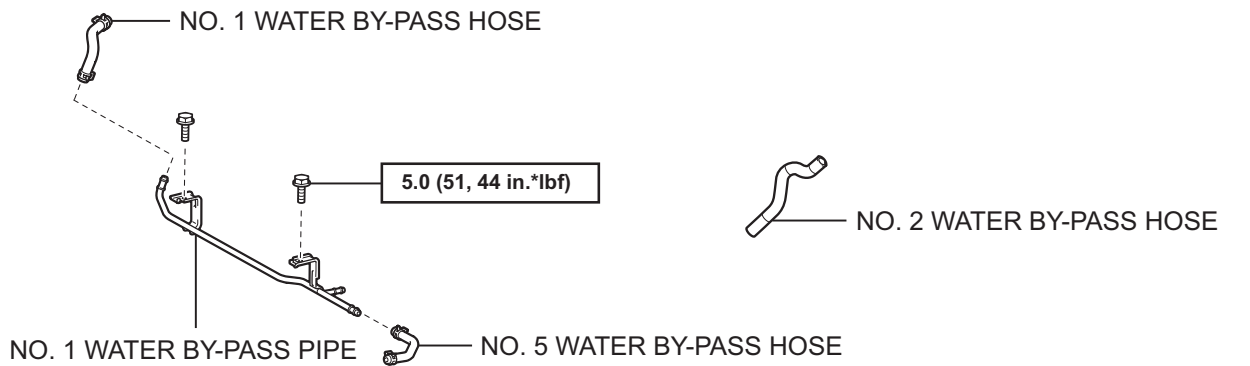


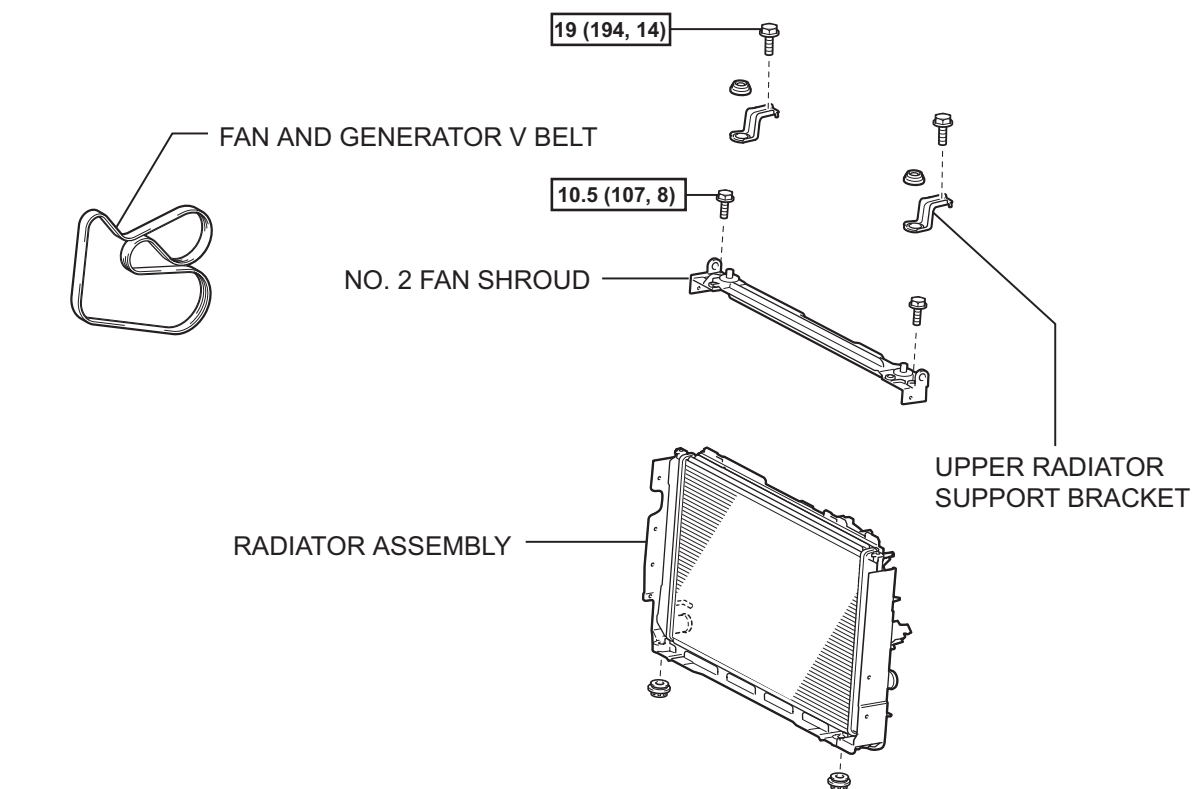
# CRANKSHAFT POSITION SENSOR

## COMPONENTS

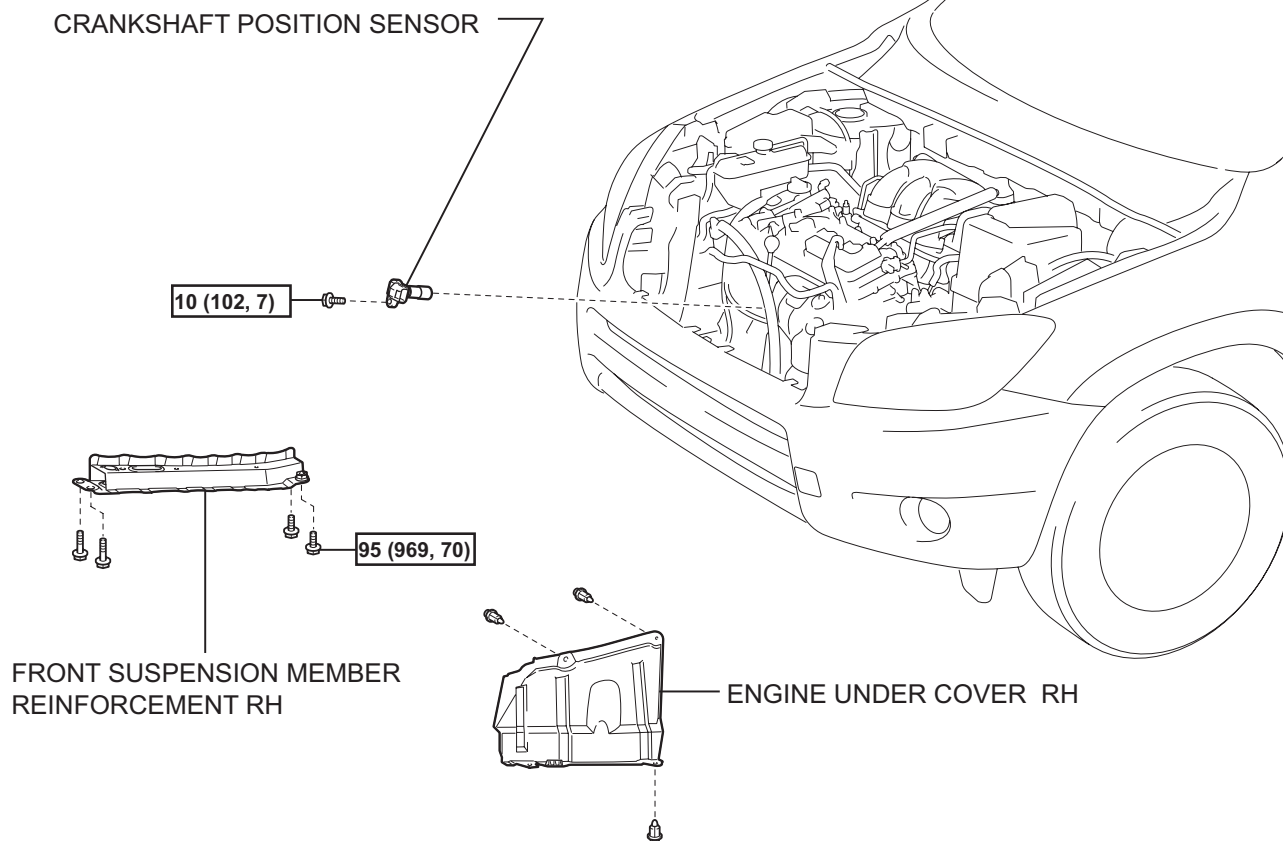




N\*m (kgf\*cm, ft.\*lbf) : Specified torque



CRANKSHAFT POSITION SENSOR

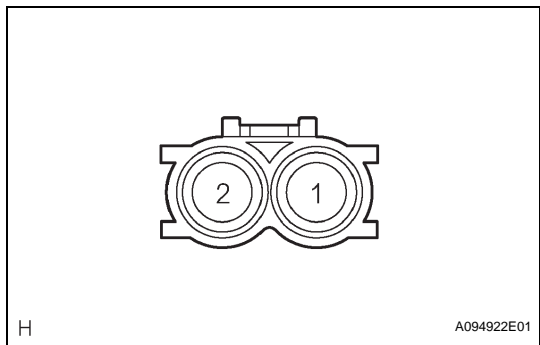
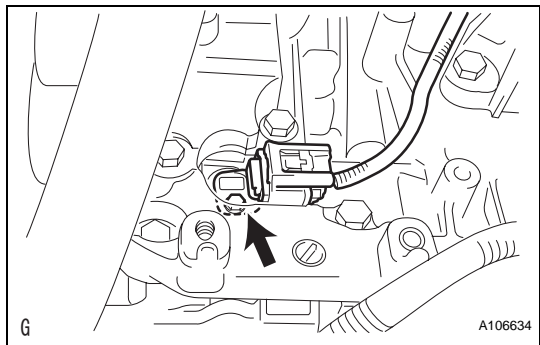


N\*m (kgf\*cm, ft.\*lbf) : Specified torque

ES

## REMOVAL

1. DISCHARGE REFRIGERANT FROM REFRIGERATION SYSTEM (See page AC-172)
2. DRAIN ENGINE COOLANT (See page CO-8)
3. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL  
CAUTION:  
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.
4. REMOVE RADIATOR ASSEMBLY  
(a) Remove the radiator assembly (see page CO-36).
5. REMOVE FAN AND GENERATOR V BELT (See page EM-8)
6. DISCONNECT COMPRESSOR WITH PULLEY ASSEMBLY (See page AC-220)
7. REMOVE CRANKSHAFT POSITION SENSOR  
(a) Disconnect the sensor connector.  
(b) Remove the bolt and sensor.

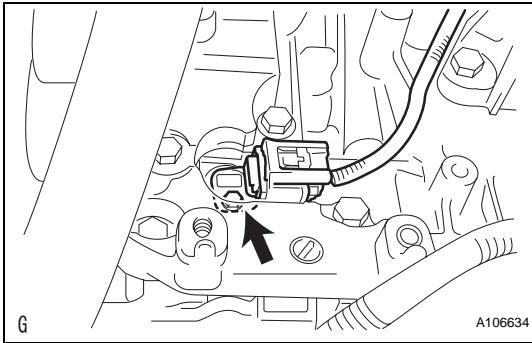


## INSPECTION

1. INSPECT CRANKSHAFT POSITION SENSOR  
(a) Measure the resistance between the terminals.  
Standard resistance

Temperature	Specified Condition
Cold	1,630 to 2,740 Ω
Hot	2,065 to 3,225 Ω

**NOTICE:**  
In the table above, the terms "Cold" and "Hot" refer to the temperature of the coils. "Cold" means approximately -10 to 50°C (14 to 122°F). "Hot" means approximately 50 to 100°C (122 to 212°F).  
If the resistance is not as specified, replace the sensor.



## INSTALLATION

1. **INSTALL CRANKSHAFT POSITION SENSOR**
  - (a) Apply a coat of engine oil to an O-ring of the sensor.
  - (b) Install the sensor with the bolt.  
**Torque: 10 N\*m (102 kgf\*cm, 7 ft.\*lbf)**
  - (c) Connect the sensor connector.
2. **INSTALL COMPRESSOR WITH PULLEY ASSEMBLY**  
(See page [AC-221](#))
3. **INSTALL FAN AND GENERATOR V BELT** (See page [EM-8](#))
4. **INSTALL RADIATOR ASSEMBLY**
  - (a) Install the radiator assembly (see page [CO-40](#)).
5. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
6. **CHARGE REFRIGERANT** (See page [AC-172](#))
7. **ADD ENGINE COOLANT** (See page [CO-8](#))
8. **CHECK FOR LEAKAGE OF REFRIGERANT** (See page [AC-173](#))
9. **CHECK FOR ENGINE COOLANT LEAKS** (See page [CO-1](#))